

THE LOGGER'S BARK

1916 - RADIO CLUB OF TACOMA - 2017

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Happy New Year! I hope everyone had a restful and enjoyable Holiday Season. As my first President's Corner column for the Loggers Bark, I'd like to thank all of you who voted for me to be your new club president in this Centennial Year. While of course I ran unopposed, it still means a lot to me to have received so much support from my fellow club members.

I first joined The Radio Club of Tacoma in the winter of 1974, shortly after passing my Novice test in December of that year (my license, WN7AWK, didn't arrive until March of 1975! It took a long time back then). I became life-long friends with a number of members, many of whom are still active in the club today. I had the honor and privilege of counting as mentors folks like Dr. Clifford "Doc" Spike W7OS, Jerry Seligman W7BUN, Nick Winter K7MO, and many others over the years. I remained active on and off, both in amateur radio as well as with the club ever since, with the last four years being a period of direct involvement with W7DK in several capacities.

I've lived in the West side of Tacoma my entire life, and share a home in University Place with my wife Anne N7ANN and our dog Molly. Together we run a small sales business that has done very well for us over the last 14 years. As many know, Anne also enjoys amateur radio and we in fact share the same shack space together.

Beginning January 2017, I am blocking out my often-busy weekends to commit to being at the clubhouse every second and every last Saturday for at least several hours to visit with as many members as I can. I also maintain an "open shack policy" for anyone wanting to come tinker around a bunch of radios and workbench projects or just share a cup of coffee.

THE PRESIDENT'S CORNER



DAVE W7UUU

UPCOMING NOTABLE CLUB ACTIVITIES



1/25, Weds 7:00 PM Clubhouse Activity Night
1/28, Sat, 10 AM Swap Meet + Chilly Dogs at CH
2/1, Weds, 7:00 PM: RCT Board Meeting @ CH
2/14, Tues, 7:00 PM, VE Testing @ CH
2/15, Weds, 7:30 PM- Club Meeting-
See w7dk.org for more details regarding all Club Activities.

As the new club president for the remainder of our milestone Centennial Year, I have some pretty big shoes to fill. Gary McAdams, WG7X, who ushered us into our centennial on October 16, 2016, is a big part of the reason I wanted to pursue doing more than "just attending meetings" and start joining in. During his six years, I feel that the warmth and welcoming for new members reached a new high. Thank you Gary for all that you did as our presi-

dent for the last six years and I hope to carry on this tradition with a similar style, care and involvement.

I very much look forward to the coming year, and getting to know more members, helping to promote amateur radio into the community at large, and endeavor to increase awareness of this great hobby we all share and the terrific community we have as an organization. I'm always looking for new ideas and suggestions on how to grow and enrich our club and I look forward to hearing from you. Happy New Year to The Radio Club of Tacoma.

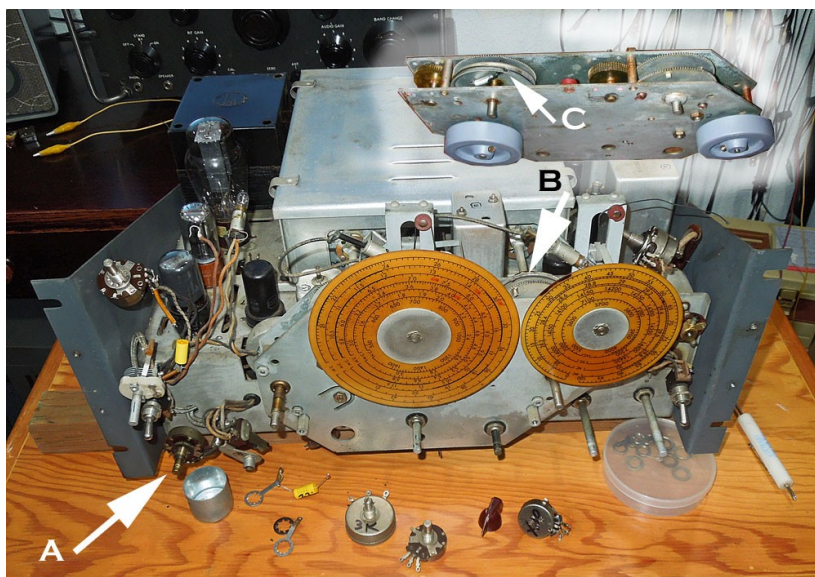
Dave Ellison W7UUU

MINI-MUSEUM REPORT - THE SX-28 CONTINUING SAGA

BY RICH KR7W

Our deadline for "work-ability" was 12/30/2016 so we could use it for the W7OS **S**traight **K**ey **N**ight Event. On 12/26 - after it was "IT'S ALIVE" and working, it was discovered that the Most Used Knob on the Radio- The RF Gain Potentiometer- had an open track. The signal level couldn't be turned down... to it had to be replaced. More surgery on our Boy.

On 12/29... while I cleaned up the Museum for the SKN Party- Chuck worked on the Band Spread Pointer and Band Spread Tuning Knob slipping string problems. The slipping prevented carefully tuning in a signal. Running out of time- it was decided to shim the string to tighten it up it as it traveled around the shaft. Nice try. The string broke.



The Front Panel had to be removed to get to the bad RF Gain Control- item A. Item B shows the wheel where the Band Spread string travels.

The Inset image where item C resides shows the Band Spread wheel. The string travels around this wheel and then down inside of the mechanism where it wraps around the a shaft that turns the tuning capacitor. The spring inside of the wheel provides the needed tension to keep the string from slipping. The round flywheels provide smooth tuning when spinning the big knobs.

On 12/30: A SKN Miracle happened!! Chuck successfully replaced the string using forceps, spudger, long needle nose pliers, and maybe some black magic.

The radio was placed on the 40 meter station table and it worked nicely for Straight Key Night. There's still a few things to do: IF+RF Alignment and a crystal filter switch issue.

After that, What the next project?

73, Rich KR7W

GREAT CAESAR'S GHOST

BY RICH KR7W - BARK EDITOR

The Six Week long Morse Code Study Group that was advertised in the Click HERE: [December 2016 Bark, page 8](#), has met twice as of me writing this blurb.



Joe KF7PXB (L) just finishing up an Across the Table QSO with Code Practice Oscillators with Randy WB4SBP (right). Mike W7XTZ observes.

[finley.morse.html](#) = K7QO recommends to write down your practice with a friction free Gel Pen in a Spiral Notebook and save all copy to look back on and observe progress. Read about it here: <https://www.dropbox.com/s/6uiow3x3ajij1cp/K7QO%20Code%20Course%20Manual.pdf?dl=0> .

Cut n Paste n Google these Morse Code Learning words for more info:
The Art and Skill of Radio Telegraphy
Zen and the Art of Radio Telegraphy
Road to CW W4ALF

This is issue 13 of my 24 month tenure of the Logger's Bark Newsletter Editor.
Are you interested in channeling your creative juices into Desk Top Publishing? If so... see Radio Club Prez Dave W7UUU for an application.

73
Rich KR7W

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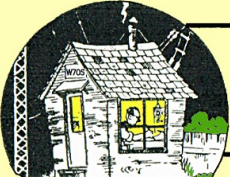
There's 10 attendees of various levels of Morse Code ability- from being on the air to knowing 15 of the 43 Morse characters. Some are attending for refresher or to relearn it because they haven't used it since their military days. It's an enthusiastic group.

For readers who are interested in learning Morse code for ham use... and didn't or cant make it to the study group- Here's a few recommended things to consider:

Learning Software: Just Learn Morse Code www.justlearnmorsecode.com/ Which uses the highly successful Koch Method; read about it here: <http://www.qsl.net/n1irz/>



Attendee Phil K7PIA copies what's being sent from Just Learn CW from his PC.



HAMSHACKs OF THE MONTH

BY CONTRIBUTING MEMBERS



Bunny's Station



EF Johnson's Station



AROUND THE CLUBHOUSE

PAST, PRESENT & FUTURE INFO



RCT Clubhouse– the week before Christmas--- Club member volunteers Al N7OMS, Chuck AC7QN and Rich KR7W installed new 'can light' lighting fixtures to replace the old burned out eight foot fluorescent fixtures in the HF Station Room. Seven luminaries total– with 3 along the south wall and 4 along the north wall ceiling. The extra fixture on the north side is to illuminate the Antenna Patch Panel Rack in the NW corner of the room.

Drilling upward through the layers of ceiling tile, furring strips and the original 1908 lath and plaster with a 6 inch hole-saw using a big ass drill motor was a mess making ordeal. Two vacuum cleaners were manned to contain the plaster dust and rock wool insulation as the third person pushed the drill motor upwards between the ceiling joists.

The seven fixtures were installed downward from the attic space. Then the old wall switch box and electrical wire was demolished (just like on This Old House TV show- using a 'Demo Saw') and replaced with a much more modern, up to code best practices and products.

The light fixtures and new LED bulb modules were installed and mess cleaned up just in time for the Clubhouse's Straight Key Night Event on Dec 31.

RCT Clubhouse– January 8 through 13— Member Volunteers Al N7OMS and Rich KR7W were back in the HF Station Room to 'un-modernize' the look of the room to make it in line with the look of the Lou Room which was previously remodeled to look 1922-ish. Armed with Chop Saw and vacuum cleaner- new Mop Board was installed where the walls meet the floor and the window opening plus sill were trimmed out. Then the new woodwork was painted. There's still a few more items left to complete the beautification project.



Image of the Clubhouse Attic Space looking east. A few years ago, Festoon lights and a catwalk were installed in the entire attic space to help with the alarm system wiring and electrical projects in the Library and Museum areas. The new HF Room can light fixtures, yellow wiring and blue electrical boxes can be seen.



DID YOU KNOW?

In Morse Code Abbreviations:
"73" is Best Regards; "77" is Wishing you many happy CW contacts; "88" is Love and Kisses; "99" is Get Lost!

RCT Clubhouse - December 31, 4:00 PM (aka 1/1/2017 0000 UTC) - The Straight Key Night Celebration - sponsored by the W7OS Doc Spike Museum - commenced.



Doug AD7AV is about to begin his Invocation part of the Ceremony as Prez Elect Dave stands in the Swearing-In area. Ad Hoc Sgt at Arms Randy WB4SBP displays the Wouff Hong to remind on-lookers that order must be maintained in the peanut gallery. Club Secretary Mike W7MWF- lower left.



Prez Elect Dave places his hand on the 1927 ARRL Handbook signed by Hiram Percy Maxim and repeats after Club Sectary Mike W7MWF, to uphold the Club Constitution.

The first order of business was the Swearing In of the RCT President Ceremony- which was scheduled for 0000 Hrs UTC- but got off to a late start. Instead of getting sworn-in, Prez Elect Dave W7UUU was making Straight Key Night QSOs at the 40 Meter Station. After finishing up his two QSOs, Dave was fetched by First Lady Anne N7ANN to take part in the ceremony which began at 0030 UTC.

To begin the ceremony- Reverend Doug AD7AV read a specially composed invocation.

RCT Secretary of State Mike W7MWF had Dave place his hand on the oldest book that could be found in the club library that was autographed by the Old Man, aka Hiram Percy Maxim- which happened to be an original ARRL Handbook from 1927. Club Secretary Mike stated, "Repeat after me".... Then Prez Elect Dave swore to uphold the constitution of the Radio Club of Tacoma... and then became Prez Dave.

As the evening progressed- take n bake pizza as well as guest provided salad and desserts were consumed. After tidying up after the ceremonial meal- then Morse Code Bingo was played in the classroom. As this was happening- QSOs on 40 and 80 meters were being made using vintage rigs from the W7OS Museum collection.

Straight Key Night Statistician Randy WB4SPB reports: We made 16 QSOs with CA, OR, WA, AZ, CO, MS, TN and OH. 10 of the 16 were with WA or CA. I guess TN or OH would be the best DX.

W7OS Operators: Nick K7MO, Radik KG7HWU, Rich KR7W, Randy WB4SPB, Dave W7UUU. There is one log sheet with no operator name or call, and handwriting experts have not yet been able to identify the mystery op who worked K5WK at 0100z on 40M. The log sheet indicates the QSO lasted half an hour. Perhaps we'll eventually receive a QSL card that will clue us to who it was, or perhaps he/she will step forward upon publication.



Dave W7UUU makes the first two QSOs of SKN using the (refurbished just in time) Hallicrafters WW2 Vintage SX-28 and Acme 2x807 Depression Era replica transmitter that is excited via the Heathkit VF-1 VFO.

Morse Code Bingo is called by Pat WT7N and Sooz (on the right) does the Straight Key sending into the Code Practice Oscillator.

Participants Jimmy K7SSS (lower left) listens to SKN QSOs on his KX2 QRP rig.

Phil K7PIA (lower middle) and Mike W7MWF play along.



CLUB MEETING TRAFFIC

CONTRIBUTED BY CLUB SECRETARY, MIKE W7MWF

Radio Club of Tacoma
Board of Directors Meeting Minutes
December 7, 2016

Meeting called to order at 7:02 p.m. by Vice President Mike W7XTZ.

Officers and Directors Present

Vice President Mike Mikuchonis W7XTZ
Secretary Mike Finnie W7MWF
Board Alan Ferguson N7OMS
Board Red Cranefield WB7EC
Board Bruce Hanson WE7P
Board Bob Jamison KE7WPK
Board Paul Matney W7PFU

Quorum Yes 18 individuals signed the attendance roster, a copy of which is filed with these minutes

Silent Key or Illness Randy WB4SPB Albert N7AEB took a fall and will be needing rehab. As soon as the rehab facility is identified, Randy will notify Greta KF7KSW

Approval of Minutes The minutes from October 5, 2016 and November 2, 2016 Board Meetings were approved

Elections Report of results of annual election held November 9, 2016
2 year term beginning January 1, 2017
President Dave Ellison W7UUU
Treasurer Steve Dightman AF7YD
Board Position Red Cranefield WB7EC
Board Position Phil Pia K7PIA

Secretary's Report (W7MWF) Correspondence: Salmon Run pledges (still), ballots, dues renewals, utility bills, subscriptions and QSL Cards. Also we received bank statements, SD Box fee notice and PO Box renewal invoice.

Treasurer's Report (W7XTZ) Treasurer's reports from August, September, and October 2016 were distributed. Acting Treasurer Mike W7XTZ pointed out that a lot of loose change is turned over to him which is awkward to handle for deposits. Likewise, he requested that proper reimbursement forms be used in the future to aid the new treasurer in accounting and categorizing expenses.

Committee / Reports

Membership George K7GRS reported that membership now stands at 303, with approximately 130 members who have not yet sent in their renewals

Training The next Technician Class is January 7/8, 2017. Dave N7HT advised that the recent General License Training had been completed, with several candidates still to test. Another class will likely be scheduled next year.

Info Tech Randy WB4SPB reported all systems nominal. He also gave an update on the progress of computer workstation upgrades

HF Operations There were no reports of any problems. Al N7OMS suggested development and compliance of a monthly equipment test schedule/protocol. This idea will be forwarded to the HF Committee.

Repeater Ops All equipment reported as fully functional

Facilities Mgmt Bruce WE7P reported installation of a new thermostat for the main furnace.

Property Mgmt Mike W7MWF advised that M&K Hamfest tables are confirmed. He gave an update regarding sales and donations. A random wire antenna has been installed on the east side of the property to facilitate equipment testing in the lockup. He requested that a space heater purchase for lockup. It was moved, seconded, and approved to authorize purchase of a suitable heater with cost not to exceed \$100.00. Mike reminded the Board that he will hand off PMT record keeping to Red WB7EC early next year.

Museum It was reported that Rich KR7W and Chuck AC7QN are continuing restoration of the Hallicrafters SX-28 receiver

Weds Activity Night The December 21 4WAN presentation will likely be "Welcome to Ham Radio" targeted to recently licensed amateurs.

General Mtg Dave W7UUU advises that at the General Meeting on December 14, Stephen AD7AB will be making a presentation about IRLP – what it is, how it works, and how to use it.

Unfinished Business Discussion was held regarding the Grand Prize for the 2016 Awards Banquet. It was the consensus of the Board and visitors that since we have a nice tri-bander HT as a prize, we will forego an HRO gift certificate this year.

New Business Dave W7UUU proposed that the Summer Picnic be held August 20m 2017 at the Fort Steilacoom Park. It was moved, seconded and past to authorize payment of \$200.00 for rental of the Shelter 1 facility at the park.

Al N7OMS proposed cosmetic and functional upgrades to the HF room, including painting, trim and improved lighting with a cost estimate of \$410. It was moved, seconded and passed to authorize a budget not to exceed \$450 for the proposed improvements. Al anticipates possible completion of the project by the end of the year (in time for Straight Key Night).

Activity Reports and Discussion Topics

Awards Banquet December 11, 2016 noon 'til 3p.m. at Scottish Rite Temple, 817 S. Vassault

Straight Key Night Dec 31, 2016 beginning @ about 4pm local time

Announcements None forthcoming

Adjournment was at 8:02 p.m.

Radio Club of Tacoma
Annual Membership Meeting Minutes
December 14, 2016

The Meeting was called to order at 7:30 p.m. by Vice President Mike W7XTZ at the Pierce County Library Administration Building.

Officers and Directors Present

Vice President Mike Mikuchonis W7XTZ

Secretary Mike Finnie W7MWF

Board Red Cranefield WB7EC

Board Paul Matney W7PFU

Pledge of Allegiance led by Mike W7XTZ

Welcome— Guests Guests present were Margo and John (guests of Dennis KA7IIV), Wade, Beth (W7ZND YL), Lola (K7GRS YL), Dick KI7FRC and Paul KG7FTN.

New Calls Ron Hall former KC7CAW advised that his new call is K6HSB.

Self-Introductions Were completed and 39 individuals signed the roster, the original of which is filed with these minutes.

Health and Welfare

Albert Bacon N7AEB took a bad fall and will be in rehab for a while.

Awards and Recognition Phil K7PIA and Adam W2NCC were recognized for their contributions over the past year.

Secretary's Report Mike W7MWF reported receipt of the usual stuff, bank statements, subscriptions, utility bills, QSL Cards and membership renewals. Insurance policy renewals and PO Box rental invoice.

Treasurer's Report (W7XTZ)

The Field Day pig was passed around. Mike W7XTZ is preparing to hand off Treasurer duties soon to Steve AF7YD.

Committee / Activity Reports

Annual Banquet Mike W7MWF reported on the Annual Awards Banquet held on December 11. It was a great gathering attended by about 60 members and guests.

Membership George K7GRS reported current membership is just over 303. Mike W7MKE reminded all that memberships expire on December 31.

VE Report John AC7WW provided the VE report, and also summarized the VE activities over the last year. A copy of John's report is filed with these minutes,

Training The next Technician Class will be held January 7/8 2017 with exam session following on January 10th.

HF Operations Mike W7XTZ reported on the refurbishing and upgrade planned for the HF room.

Repeater Ops Warren Angus NG7G has stepped up to the plate and will begin duties as Net Control on the First Tuesday 2 Meter net session beginning sometime after the first of the year. Thanks Warren.

Facilities Management Mike W7MWF reported that Bruce WE7P had installed a new thermostat and that directions for use were posted underneath it.

Property Management Mike W7MWF reported installation of a random wire antenna into the garage to facilitate equipment testing. Also PMT plans to buy a space heater for the lock-up. Red WB7EC will become the primary record-keeper for equipment acquisitions, donations, and property disposal shortly after the first of the year.

Museum It was reported that Rich KR7W and Chuck AC7QN are still rebuilding the circa WW2 Hallicrafters SX-28 receiver.

4th Weds Activity Night On December 28th we will most be having a presentation on "Welcome to the World of Amateur Radio", primarily focused on topics for newer licensees. 'Older' hams are invited to attend and share their knowledge and experiences.

Program The General Meeting program for December presented by Stephen Morton AD7AB. He discussed IRLP – what it is, how it works, and how to use it.

Unfinished Business and Announcements

Straight Key Night Randy WB4SPB announced that the W7OS Museum will host SKN on New Year's Eve December 31, 2016 beginning at about 4 p.m. at the Clubhouse. Old-timey radios and old-timey straight mechanical keys or bugs will be used. You needn't be a Morse Code expert to come and have fun. Pizza and sodas will be available around 5:30 pm, and there might be some fun and games operators and non-operators alike. SKN will terminate at about 9 p.m. Anyone wishing to bring additional food, a salad or dessert was suggested.

Show and Tell Mike W7MKE has made available an alternate version of the Centennial Patch in the style of the Centennial Pin.

Tuning and Traffic

Door Prize A bag full of useful hand tools was won by Mike W7MWF.

Raffle An ICom IC-228 was won by Ron K6HSB.

Adjournment The meeting adjourned at 8:55 p.m.



HINTS AND KINKS

CONSTRUCTION & INSTRUCTION
BY READER SUBMISSION



6 Element, 2 Meter Yagi-Uda – Low cost, Great band coverage, Easy construction... By PJ Hicks N7PXY

The antenna was designed and first built by John Parfrey, M0UKD, in England as a portable field trip antenna and I modified it as a permanent installation. All the pertinent dimensions are on his site for the UK version, 144mHz to 146mHz and for a USA/Canada version, 144mHz to 148mHz as well as EZNEC/SWR charts for both. You will see that the SWR is quite flat in both versions over the entire covered band. My MFJ259 shows 1.3:1 at 144 to 1.5:1 at 148. Very close to John's figures. My total cost was well under \$60.00 US. Time about 2 hours. [M0UKD Link Click HERE.](#)

So where is this going you ask? It wouldn't be much of an article unless I told you about my modifications and how I built and how you can build the antenna.

Materials;

Boom - Aluminum, $\frac{3}{4}$ " sqr. Tube X 065 wall, 80.315", buy 7 ft.

Elements - Aluminum, $\frac{1}{4}$ " dia. , buy 20 ft.

Insulators - Plastic, $\frac{1}{4}$ " thick, buy a piece 2" x 14" x .25" thick, I used high density machinable plastic but plexiglass or lexan will work fine. Cut into 5 ea. 2" squares, cut 6 ea. if you use an open feed point at the driven element.

Feed point junction box - I used 2 ea. 3" CPVC pipe caps cut down to $\frac{1}{2}$ " deep. Plus a piece of 3" CPVC pipe 1 $\frac{1}{4}$ " long. The CPVC or black PVC caps are the only ones with a flat bottom.

Stainless steel machine screws - 12 ea. #8 – 32 X 1.25" long

12 ea. #8 – 32 X .75" long

4 ea #8 – 32 X 2" long

36 ea. #8 – 32 nuts

36 ea. #8 inside lock washers

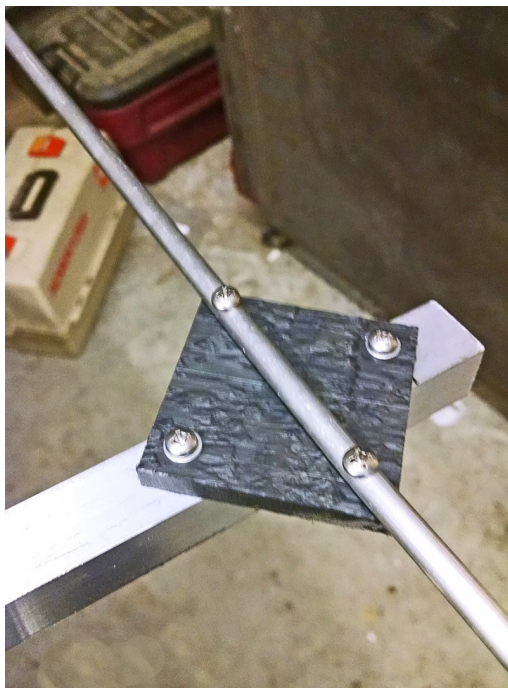
36 ea. #8 flat washers



Prepare the parts as follows;

Start with the boom. Cut it to 2.04 meters plus an additional 2" to accommodate my version of the insulators (see picture) and try to stay within 2 or 3 mm in length. Use a marker to mark one end. This end is where all your measurements will originate.

Remembering to add 1 inch or 24.5mm to all measurements carefully scribe the boom at each element spacing point as listed in John's drawing. Remember to add the extra inch! Now carefully scribe a line 1 inch above and below the element spacing center marks. Care here will make assembly much easier and the performance much better. These lines are where you will drill the holes to hold the insulators and the feed box. **DO NOT DRILL AT THE ELEMENT SPACING LINES.** Drill the holes being careful to keep them perpendicular to the boom. The boom is complete. Note; mast mounting holes or a mast clamping arrangement is up to you.



Now we move to the elements. Carefully measure and cut all six elements. Try to maintain plus or minus 1 mm or 2 mm in length. Use a scribe to mark the center of all six elements. We'll divide the driven element later. Carefully drill a tight clearance hole centered in the elements as close to 1 inch on either side of the center line as possible. Set the elements aside for now.

The element spacers or insulators. To drill the element insulators find the center of each plastic square by scribing a line between opposite corners and make a small punch mark. Use this mark to center and scribe a 2" dia. circle, 1" radius, around the center mark. Drill a loose clearance hole where each line intersects the circle. Done. See picture.

The feedline junction box is optional but makes for a better looking antenna. You could just use another insulator square and leave the connection and choke balun exposed. I used a lathe to cut down the pipe caps but you can just as easily cut them

with a saw and trim them with a file or sandpaper. You want to end up with two shallow caps 1/2" deep inside. Here it gets a bit tricky... doesn't it always at some point? Find and mark the center of one cap. You can use a carpenter's center finder or any suitable method... I used my lathe. Scribe 2 crossing 90 degree lines on the cap. Again scribe a 2" dia. circle using the center you just marked. Drill a loose clearance hole at each intersection. Use a square to transfer two opposite ends of one of the lines to the outside of the cap and mark. Make a mark on each cap side, 3/8" up the side of the cap from the solid flat side of the cap. Drill a 1/4" hole on each side of the cap on the edge. This is where you will insert the driven element. It should be very close to flush to the inside of the cap and line up with 2 element mounting holes. One last hole. I used a short pigtail with a coax connector on the end and long enough for 4 turns around a 1" toroid core as an antenna coax connection. So drill a suitable hole in the cap opposite from one of the boom mounting holes and assemble the pigtail and toroid as shown in the picture. Trial fit the driven element into the junction box; if all aligns correctly remove it and cut 1/4" to 3/8" from the element center. Each side should be the same length and there should be a 1/4" to 3/8" gap

between the two sides when mounted in the cap. Trial fit the other cap and pvc pipe spacer together. I drilled 4 holes to keep the two cap halves together.

Final assembly. Start by mounting the elements onto the plastic spacers/insulators. Put a short screw through the element and the spacer. Use a flat washer, a lock washer, and a nut to secure the element to the spacer. Do all five elements.

Use the longer screws with a flat washer through the spacer and the boom, another flat washer and a lock washer and nut to secure all five elements to the boom. Remember to put the correct length element at the correct location.

To mount the driven element into the connection box first slide each half element through the cap side and align with the mounting hole. Insert a long screw with a flat washer from the outside, through the element and secure with a nut. Do the opposite side driven element. Put a lock washer on the projecting screw, slip on the coax crimp connector and secure with another nut. Add a flat washer to a long nut and put it through the connection box and boom then secure with a flat washer, lock washer and nut. The beam antenna is complete.



Center Feed Point Enclosure. Note: White Arrow shows the BALUN.



The Radio Club of Tacoma

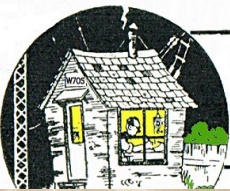
Your Radio Club
Needs your help

RCT needs donations....
of Amateur Radio Equipment

SUGGESTIONS FOR THE CLUB
MANAGEMENT CLICK THE BOX



Do you know someone who wants to donate used equipment to RCT?
[Click Here](#) to get the Ball Rolling... thx!

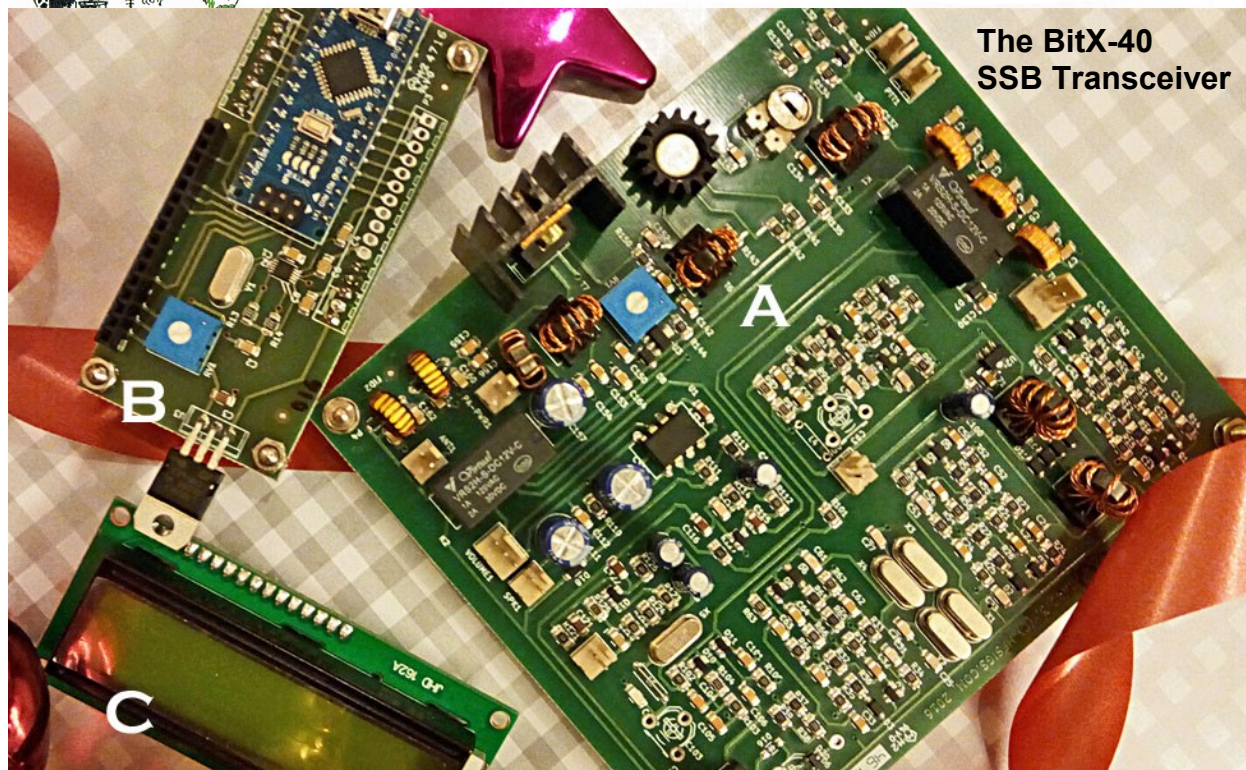


TNT

THE NEW THING

WHAT'S NEW AND NOTABLE IN HAM RADIO?

CONTRIBUTIONS BY READERS LIKE YOU

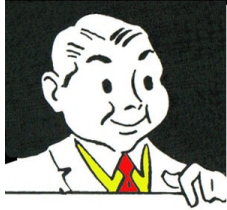


The BitX-40
SSB Transceiver

In the Dec 2016 Bark- it was revealed that Ashar Farhan VU2ESE was selling a complete 40 Meter SSB Transceiver for \$45.00 US w/ Free Shipping. Now, if you go to the same link: <http://www.hfsigs.com/> and take a look- you will see that the **BitX-40** has been upgraded. The new revision is the same 40 Meter SSB transceiver (**A**) but with a Arduino controlled DDS VFO (**B**) (same concept used in brand new transceivers) and a 2 line LDC display (**C**) all for \$59.00 w/ Free shipping from India.

The radio is still capable of 30 watts output if the power amplifier is powered from 26 volts (two 12V batteries) while the rest of the radio uses a 12 Volt supply. This radio is a kit where all components are soldered to the boards and tested. All the user has to do is mount the boards, provided controls, jacks and user interface gizmos into a suitable enclosure. Or, all of the parts can just sit on a non metallic surface whilst connected to a power source, headphone/speaker, and antenna.

At Radio Club of Tacoma- there's a BitX-40 interest group forming. So far there's 5 of us who have Paypal'd our \$59 to Mr Farhan's company... and the radios are in the mail. If you have an interest in this 'some assembly required' kit... check out <http://www.hfsigs.com/> website. In a few weeks- stop by the clubhouse on Saturday and I betcha you'll see us **BitX** geeks displaying our new playthings on a table in the classroom.



THE LOGGER'S BARK PHOTO PAGE



Worth W7WG (L) copies the North America QSO Party Contest Morse Code from Jimmy K7SSS's Elecraft K2 QRP rig during a Saturday gathering at the RCT Clubhouse on Jan 14.

Photo by Dave W7UUU

Collins KWM-2
SSB transceiver
Circa 1961.

Collins Radio
Product History
Book—[Click
HERE.](#)

It's a good read



ARTHUR COLLINS, DESIGNER OF MANY BEAUTIFUL RADIOS !



Art's Station

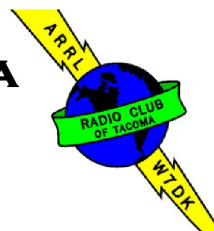
Circa-
1951 to 1955



RADIO CLUB OF TACOMA

1916 - 2016

100 YEARS OF SERVICE



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RADIO CLUB REPEATERS

Central Tacoma: 147.280 + PL=103.5
Crawford Mountain 147.380 + PL=103.5 (E of Olympia @ 1500 ft ASL)
Central Tacoma: 440.625 + PL=103.5
North Tacoma: 145.21 - PL=141.3

www.w7dk.org [LINK] - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website.